



Level 1 Validation Certificate

This document verifies that the Level 1 Validation process was completed. The session details and audit review outcomes are included here.

This certificate is required for submission – alongside the Level 1 validated water audit software file – to the California Department of Water Resources.

Call Date: 8/8/2019

Water Supplier

Supplier Name:	City of Palo Alto
Supplier Participants:	Robert Diamond, Robert Item, Darija Borkovic

Key Audit Metrics

Data Validity Score:	65	
ILI:	0.69	
Real Loss:	10.31	gal / conn / day
Apparent Loss:	6.05	gal / conn / day
Non-Revenue Water as Percent of Cost of Operating System:	2.4%	

Validator

Validator:	Colin Stief Water Systems Optimization
Validator Qualifications:	Water Audit Validator Certificate from the AWWA California Nevada Section

Certification Statement by Validator

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Level 1 Validation – Water Supplier Confirmation

This document confirms participation in and endorsement of the Level 1 Validation as completed.

This acknowledgement is required for submission – alongside your Level 1 validated water audit software file – to the California Department of Water Resources.

Water Supplier Name:

City of Palo Alto

Water Supplier Public Water System ID:

CA 4310009

Water Audit Period:

2018 Calendar Year

Water Audit & Water Loss Improvement Steps

Steps taken in the audit period timeframe to increase data source accuracy, reduce real losses, and/or reduce apparent losses, as informed by the water audit.

We maintain our water system by repairing identified water leaks, planning and replacing problematic pipe, and planning, monitoring, and improving our metering system. Our ongoing CIP program replaces about 1% to 2% of the waterlines per year. Evaluation and preparation for a future AMI system is part of improving our metering system. Additionally, Master Meter and Supply Error Adjustments were calculated based on calibration data from SFPUC.

Certification Statement by Water Supplier Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (print):

Dean Batchelor

Executive Position:

Utilities Chief Operating Officer

Signature:

DocuSigned by:
Dean Batchelor
C69429A0443E4CF...

Date

9/30/2019